610.5
B86
M49

CONTENTS OF VOLUME 4

★

NUMBER 1: *Radiobiology: Experimental and Applied*

		PAGE
798	THE BIOLOGICAL EFFECTS OF PENETRATING RADIATIONS ... ... *F. G. Spear*	2
799	COMPARATIVE STUDIES OF THE BIOLOGICAL EFFECTS OF *X* RAYS, NEUTRONS AND OTHER IONIZING RADIATIONS ... ... *L. H. Gray*	11
800	GENETIC EFFECTS OF RADIATIONS *D. G. Catcheside*	18
801	THE ACTION OF RADIATIONS ON VIRUSES AND BACTERIA ... ... *D. E. Lea*	24
802	QUANTITATIVE HISTOLOGICAL ANALYSIS OF RADIATION-EFFECTS IN HUMAN CARCINOMATA ... ... *A. Glucksmann*	26
803	THE MEASUREMENT OF RADIATION *G. J. Neary*	30
804	TOTAL ENERGY-ABSORPTION IN RADIOTHERAPY ... ... *F. Ellis*	36
805	ON TECHNICAL METHODS IN *X*-RAY THERAPY *J. Read*	43
806	ON TECHNICAL METHODS IN RADIUM THERAPY ... ... *S. Russ*	49
807	MILLION VOLT THERAPY ... ... *G. S. Innes*	51
808	PROTECTIVE METHODS IN RADIOLOGY *W. Binks*	58
809	EXCHANGE OF DIAGRAMS AND DATA BETWEEN RADIOTHERAPY CENTRES *J. Read*	64
810	BOOK REVIEWS	65
811	CINERADIOGRAPHY: ITS TECHNIQUE AND APPLICATIONS ... ... *R. J. Reynolds*	69
812	FOUR REMARKABLE FRENCH MICROBIOLOGICAL FILMS... ... ... *A. G. Sanders*	72
813	FILM REVIEW	73
814	A MEDICAL TOUR OF THE 30TH EXHIBITION OF SCIENTIFIC INSTRUMENTS AND APPARATUS ... ... *B. Stanford*	73
815	GUIDE TO THE JOURNALS	74

★

NUMBER 2: *Anaesthesia and Analgesia*

EXPERIMENTAL

		PAGE
816	THE TESTING OF LOCAL ANAESTHETICS *J. H. Burn*	82
817	CHANGES IN ACTIVITY OF PULMONARY RECEPTORS IN ANAESTHESIA AND THEIR INFLUENCE ON RESPIRATORY BEHAVIOUR *D. Whitteridge & E. Bülbring*	85
818	THE SEARCH FOR MORPHINE SUBSTITUTES *E. C. Dodds*	88
819	SYNTHETIC SUBSTITUTES FOR ATROPINE *H. R. Ing*	91
820	THE MAINTENANCE OF BLOOD-PRESSURE IN ANAESTHESIA ... ... *J. H. Burn*	95

CLINICAL

		PAGE
821	THE VISUAL MEASUREMENT OF BLOOD-PRESSURE *D. S. Evans & K. Mendelssohn*	99
822	THE NATURE OF MENINGITIS FOLLOWING SPINAL ANAESTHESIA AND ITS PREVENTION *L. P. Garrod*	106
823	TRICHLORETHYLENE AS AN ANAESTHETIC AGENT ... ... *C. L. Hewer*	108
824	CURARE ... ... *C. L. Hewer*	110
825	CONTROLLED-RESPIRATION ANAESTHESIA *H. J. V. Morton*	111
826	THE ANAESTHETIST AND THE CARE OF THE SURGICAL CASE ... ... *J. Beard*	114

HISTORICAL

		PAGE
827	AN OUTLINE OF THE HISTORY OF ANAESTHESIA, 1846–1900 ... ... *B. M. Duncum*	120
828	THE HUNDREDTH YEAR OF ANAESTHESIA *G. S. W. Organe*	129
829	THE EVOLUTION OF ANAESTHETIC APPARATUS ... ... *A. C. King*	132
830–846	HISTORICAL NOTES ON ANAESTHESIA	140
847	THE MEDICAL DIRECTION OF A SERIES OF FILMS ON ANAESTHESIA ... *G. S. W. Organe*	151
848–853	FILM REVIEWS	154
854–866	BOOK REVIEWS	155
867	GUIDE TO THE JOURNALS	160

610.5
B86
M49

CONTENTS OF VOLUME 4

★

NUMBER 1: *Radiobiology: Experimental and Applied*

		PAGE
798	THE BIOLOGICAL EFFECTS OF PENETRATING RADIATIONS ... ... *F. G. Spear*	2
799	COMPARATIVE STUDIES OF THE BIOLOGICAL EFFECTS OF *X* RAYS, NEUTRONS AND OTHER IONIZING RADIATIONS ... ... *L. H. Gray*	11
800	GENETIC EFFECTS OF RADIATIONS *D. G. Catcheside*	18
801	THE ACTION OF RADIATIONS ON VIRUSES AND BACTERIA ... ... *D. E. Lea*	24
802	QUANTITATIVE HISTOLOGICAL ANALYSIS OF RADIATION-EFFECTS IN HUMAN CARCINOMATA ... ... *A. Glucksmann*	26
803	THE MEASUREMENT OF RADIATION *G. J. Neary*	30
804	TOTAL ENERGY-ABSORPTION IN RADIOTHERAPY ... ... *F. Ellis*	36
805	ON TECHNICAL METHODS IN *X*-RAY THERAPY *J. Read*	43
806	ON TECHNICAL METHODS IN RADIUM THERAPY ... ... *S. Russ*	49
807	MILLION VOLT THERAPY ... ... *G. S. Innes*	51
808	PROTECTIVE METHODS IN RADIOLOGY *W. Binks*	58
809	EXCHANGE OF DIAGRAMS AND DATA BETWEEN RADIOTHERAPY CENTRES *J. Read*	64
810	BOOK REVIEWS	65
811	CINERADIOGRAPHY: ITS TECHNIQUE AND APPLICATIONS ... ... *R. J. Reynolds*	69
812	FOUR REMARKABLE FRENCH MICROBIOLOGICAL FILMS... ... ... *A. G. Sanders*	72
813	FILM REVIEW	73
814	A MEDICAL TOUR OF THE 30TH EXHIBITION OF SCIENTIFIC INSTRUMENTS AND APPARATUS ... ... *B. Stanford*	73
815	GUIDE TO THE JOURNALS	74

★

NUMBER 2: *Anaesthesia and Analgesia*

EXPERIMENTAL

		PAGE
816	THE TESTING OF LOCAL ANAESTHETICS *J. H. Burn*	82
817	CHANGES IN ACTIVITY OF PULMONARY RECEPTORS IN ANAESTHESIA AND THEIR INFLUENCE ON RESPIRATORY BEHAVIOUR *D. Whitteridge & E. Bülbring*	85
818	THE SEARCH FOR MORPHINE SUBSTITUTES *E. C. Dodds*	88
819	SYNTHETIC SUBSTITUTES FOR ATROPINE *H. R. Ing*	91
820	THE MAINTENANCE OF BLOOD-PRESSURE IN ANAESTHESIA ... ... *J. H. Burn*	95

CLINICAL

		PAGE
821	THE VISUAL MEASUREMENT OF BLOOD-PRESSURE *D. S. Evans & K. Mendelssohn*	99
822	THE NATURE OF MENINGITIS FOLLOWING SPINAL ANAESTHESIA AND ITS PREVENTION *L. P. Garrod*	106
823	TRICHLORETHYLENE AS AN ANAESTHETIC AGENT ... ... *C. L. Hewer*	108
824	CURARE ... ... *C. L. Hewer*	110
825	CONTROLLED-RESPIRATION ANAESTHESIA *H. J. V. Morton*	111
826	THE ANAESTHETIST AND THE CARE OF THE SURGICAL CASE ... ... *J. Beard*	114

HISTORICAL

		PAGE
827	AN OUTLINE OF THE HISTORY OF ANAESTHESIA, 1846–1900 ... ... *B. M. Duncum*	120
828	THE HUNDREDTH YEAR OF ANAESTHESIA *G. S. W. Organe*	129
829	THE EVOLUTION OF ANAESTHETIC APPARATUS ... ... *A. C. King*	132
830–846	HISTORICAL NOTES ON ANAESTHESIA	140
847	THE MEDICAL DIRECTION OF A SERIES OF FILMS ON ANAESTHESIA ... *G. S. W. Organe*	151
848–853	FILM REVIEWS	154
854–866	BOOK REVIEWS	155
867	GUIDE TO THE JOURNALS	160

Medical Soc'y

NUMBER 3: *Congenital Factors in Disease*

		PAGE
868	THE PLACE OF GENETICS IN CLINICAL MEDICINE ... ... *F. A. E. Crew*	166
869	VITAL STATISTICS OF STILL-BIRTHS AND NEONATAL DEATHS ... ... *B. Woolf*	170
870	THE PATHOLOGY OF STILL-BIRTH AND NEONATAL DEATH ... ... *A. R. Macgregor*	174
871	THE POST-MORTEM EXAMINATION OF THE NEWBORN INFANT ... ... *H. S. Baar*	178
872	A SUMMARY OF PRESENT KNOWLEDGE OF HUMAN BLOOD-GROUPS, WITH SPECIAL REFERENCE TO SEROLOGICAL INCOMPATIBILITY AS A CAUSE OF CONGENITAL DISEASE *R. R. Race*	188
873	MATERNAL RUBELLA AS A CAUSE OF CONGENITAL DEFECTS ... ... *L. G. Parsons*	193
874	SOME APPLICATIONS OF PRENATAL NUTRITION TO INFANT DEVELOPMENT *A. St. G. Huggett*	196
875	BLINDNESS AND VISUAL DEFECT OF CONGENITAL ORIGIN ... ... *A. Sorsby*	204
876	THE GENETICS OF CANCER *G. M. Bonser*	207
877	MENTAL DEFECT: RECENT RESEARCHES *L. S. Penrose*	210
878–895	HISTORY, BIBLIOGRAPHY AND COMMENT	214
896–908	THE LIBRARY	225
909–913	FILM REVIEWS	229
914–924	BOOK REVIEWS	231
925	GUIDE TO THE JOURNALS	235

★

NUMBER 4: *Background to Chemotherapy*

		PAGE
926	A SKETCH OF THE HISTORY OF CHEMOTHERAPY ... ... *E. M. Lourie*	243
927	STEPS LEADING TO THE THERAPEUTIC APPLICATION OF MICROBIAL ANTAGONISMS *H. W. Florey*	248
928	ANALYSIS OF ANTIBACTERIAL ACTION *H. McIlwain*	259
929	THE NUTRITION OF BACTERIA ... *P. Fildes*	263
930	MICROBIAL RESISTANCE TO CHEMOTHERAPEUTIC DRUGS ... ... *F. R. Selbie*	267
931	CHEMOTHERAPY OF RICKETTSIAL AND VIRUS DISEASES *C. H. Andrewes & H. King*	272
932	PRINCIPLES AND PRACTICE OF LOCAL CHEMOTHERAPY ... ... *L. P. Garrod*	275
933	PRINCIPLES OF ADMINISTRATION IN CHEMOTHERAPY ... ... *J. H. Gaddum*	280
934	THE CONTRIBUTION OF THE INSTITUT PASTEUR, PARIS, TO RECENT ADVANCES IN MICROBIAL AND FUNCTIONAL CHEMOTHERAPY *J. Tréfouël, Mme. J. Tréfouël, D. Bovet & F. Nitti*	284
935	CLAUDE BERNARD AND SCIENTIFIC ADVENTURE ... ... *F. G. Young*	289
936–941	THE LIBRARY	291
942–953	BOOK REVIEWS	293
954	MAKING A CATALOGUE OF MEDICAL FILMS *B. Stanford*	299
955–960	FILM REVIEWS	300
961	GUIDE TO THE JOURNALS	303

★

NUMBER 5–6: *Chemical Carcinogenesis*

		PAGE
	NATURE OF CARCINOGENIC COMPOUNDS	
962	CHEMISTRY OF CARCINOGENIC COMPOUNDS *A. Haddow & G. A. R. Kon*	314
963	SOME PHYSICAL METHODS OF INVESTIGATING CARCINOGENIC HYDROCARBONS *I. Berenblum, E. R. Holiday & E. M. Jope*	326
	MECHANISM OF CARCINOGENESIS	
964	MODE OF ACTION OF CHEMICAL CARCINOGENS ... ... *A. Haddow*	331
965	COCARCINOGENESIS ... ... *I. Berenblum*	343
966	ANTI-CARCINOGENESIS ... *H. G. Crabtree*	345
967	THE INFLUENCE OF THE SOLVENT ON THE CARCINOGENIC RESPONSE ... *F. Dickens*	348
	METABOLISM OF CARCINOGENIC COMPOUNDS	
968	METABOLISM OF CARCINOGENIC COMPOUNDS ... ... *E. Boyland & F. Weigert*	354
	CARCINOGENS OF BIOLOGICAL ORIGIN	
969	CARCINOGENIC SUBSTANCES IN HUMAN TISSUES ... ... *I. Hieger*	360
970	THE CARCINOGENIC ACTION OF HEATED FATS AND LIPOIDS ... ... *P. R. Peacock*	364
	REMOTE CARCINOGENIC ACTION	
971	OESTROGENS AND NEOPLASIA *H. Burrows & E. S. Horning*	367
972	A NOTE ON THE CARCINOGENIC ACTION OF STILBENE DERIVATIVES ... *E. C. Dodds*	378
973	EXPERIMENTAL CANCER OF THE BLADDER *G. M. Bonser*	379
974	THE CARCINOGENIC ACTION OF 2-ACETYLAMINOFLUORENE AND RELATED COMPOUNDS ... ... *F. Bielschowsky*	382
975	THE PRODUCTION OF LIVER TUMOURS BY AZO COMPOUNDS ... ... *J. W. Orr*	385
	OCCUPATIONAL CANCER	
976	OCCUPATIONAL CUTANEOUS CANCER ATTRIBUTABLE TO CERTAIN CHEMICALS IN INDUSTRY ... ... *S. A. Henry*	389
977	THE ROLE OF ARSENIC IN CARCINOGENESIS *A. N. Currie*	402
978	OCCUPATIONAL CANCER OF THE BLADDER *M. W. Goldblatt*	405
	CHEMOTHERAPY OF CANCER	
979	NOTE ON THE CHEMOTHERAPY OF CANCER *A. Haddow*	417
980–991	THE LIBRARY	427
992–1010	BOOK REVIEWS	431
1011	GUIDE TO THE JOURNALS	438

INDEX TO VOLUME 4

The figures after each entry are the serial numbers of individual items, except where otherwise stated. Names of authors of main articles are printed in capitals. Entries referring to book-reviews are followed by the letters (BR), entries referring to film reviews by the letters (FR), and entries referring to historical notes, bibliographical notes, and comment, by the letters (HBC).

A

ABAZA, A.: *Acquisitions médicales récentes dans les pays alliés* (BR), 989
2-Acetylaminofluorine, carcinogenic action of, 974
ACKMAN, D.: *see* GURD, F. B. & ACKMAN, D., 810/187
Acridine derivatives, analysis of antibacterial action of, 928
Acta Clinica Belgica (HBC), 991
Acta Tropica (HBC), 891
Adrenal, tumours of, production by oestrogen, 971
2-Aminomorphine, 818
4-Aminostilbene, carcinogenic action of, 962
Amoeba, microdissection of (FR), 812
Amoeba verrucosa (FR), 955
Anaesthesia, apparatus, evolution of (HBC), 829
—— controlled-respiration, 825
—— early history of, in Argentina (HBC), 840
—— —— —— —— in Austria (HBC), 841
—— —— —— —— in France (HBC), 838
—— —— —— —— in Germany (HBC), 841
—— —— —— —— in Spain (HBC), 839
—— early inhalers (HBC), 827, 829, 830; *see also* page 224
—— endotracheal (FR), 851
—— films on, medical direction of, 847
—— first subject of, in Britain (HBC), 832
—— folklore of (HBC), 846
—— history of, 1846–1900 (HBC), 827
—— —— —— modern (HBC), 828
—— intravenous, history of (HBC), 842
—— maintenance of blood-pressure in, 820
—— modern methods in (HBC), 828
—— popular reactions to discovery of (HBC), 837
—— rectal, history of (HBC), 843
—— signs and stages of (FR), 848
—— spinal, aseptic technique in, 822
—— —— meningitis following, 822
—— through mesmerism (HBC), 844
Anaesthetic apparatus, evolution of, 829
Anaesthetics, local, testing of, 816
Anaesthetist, and care of the surgical patient, 826
Anales Españoles de Odontoestomatología (BR), 907
Analgesics, testing of, 816
ANDREWES, C. H. & KING, H.: Chemotherapy of rickettsial and virus diseases, 931
Aniline, carcinogenic action of, 978
Anthracene, carcinogenic action of, 976
—— metabolism of, 968
2-Anthramine, carcinogenic action of, 974
Antibacterial action, analysis of, 928
Antibiotics, steps leading to the therapeutic application of, 927
Anti-carcinogenesis, 966
Apparatus, scientific, exhibition of, 814
Archivos de la Sociedad Oftalmológica Hispano-Americana (BR), 907
Argentina, early history of anaesthesia in (HBC), 840
Arquivos do Instituto Químico-Biológico do Estado de Minas Gerais (HBC), 991
Arsenic, carcinogenic action of, 962, 977
Asphyxia, as cause of neonatal death, 870
Atropine, substitutes for, 819
Austria, early history of anaesthesia in (HBC), 841
Azo compounds, carcinogenic action of, 962
—— —— production of liver tumours by, 975

B

BAAR, H. S.: Post-mortem examination of the newborn infant, 871
BARLET, J.: *La fièvre jaune* (BR), 898
Bacteria, antibacterial substances, 928
—— chemistry, 929
—— effect of radiations on, 801
—— nutrition of, 929
—— substances antagonistic to, 927
Bacterial infections, chemotherapy of (HBC), 934
BAILEY, H. & BISHOP, W. J.: *Notable names in medicine and surgery*, 2nd ed. (BR), 1008
BANKOFF, G.: *Operative surgery* (BR), 1006
BATCHELOR, I. R. C., *see* IRONSIDE, R. N. & BATCHELOR, I. R. C., 914
BEARD, J.: The anaesthetist and the care of the surgical case, 826
BEAUMONT, G. E. & PALMER, K. N. V.: *Practical points in penicillin treatment* (BR), 1004
BELL, A. C. H.: *Pocket obstetrics* (BR), 996
Benzanthracene homologues, carcinogenic action of, 962
—— metabolism of, 968
Benzene, metabolism of, 968
Benzidine, carcinogenic action of, 978
Benzilic acid, 819
Benzilylcholine chloride, 819
Benzilyloxyethyl dimethyl-ethylammonium chloride, 819
Benzphenanthrenes, carcinogenic action of, 962
Benzpyrene, metabolism of, 968
BERENBLUM, I.: Cocarcinogenesis, 965
—— HOLIDAY, E. R. & JOPE, E. M.: Some physical methods of investigating carcinogenic hydrocarbons, 963
BERNARD, CLAUDE, and scientific adventure (HBC), 935
BERT, P.: *La pression barométrique* (HBC), 878
BETT, W. R.: Two medical truants (HBC), 881
Bibliographia Medica Helvetica (HBC), 889
BICKNELL, F. & PRESCOTT, F.: *The vitamins in medicine*, 2nd ed. (BR), 952
BIELSCHOWSKY, F.: Carcinogenic action of 2-acetylaminofluorene and related compounds, 974
BINKS, W.: Protective methods in radiology, 808
Biological indicators of x-ray irradiation, 798
BISHOP, P. M. F.: *Gynaecological endocrinology for the practitioner* (BR), 997
BISHOP, T. H.: Popular reactions to the ether discovery (HBC), 837
BISHOP, W. J.: History of [Devon] Mental Hospital (HBC), 884
—— *see* BAILEY, H. & BISHOP, W. J., 1008
Bladder, cancer of, experimental, 973
—— —— —— occupational, 978
—— carcinogens, metabolism of, 978
Blindness of congenital origin, 875
Blood-groups and congenital disease, 872
Blood-pressure, maintenance of in anaesthesia, 820
—— visual measurement of, 99
Bone marrow infusions, 933
—— tumours, production of by oestrogens, 971
BONNIN, J. G.: *Complete outline of fractures*, 2nd ed. (BR), 923
BONSER, G. M.: Experimental cancer of the bladder, 973
—— The genetics of cancer; short review of experimental findings, 876
Book reviews, 810, 854–866, 896–908, 914–924, 936–953, 980–989, 992–1010
BOURNE, A. W.: *Synopsis of obstetrics and gynaecology*, 9th ed. (BR), 810/194
—— & WILLIAMS, L. H.: *Recent advances in obstetrics and gynaecology*, 6th ed. (BR), 924
BOVET, D.: *see* TRÉFOUËL, J., TRÉFOUËL, MME. J., BOVET, D. & NITTI, F., 934
BOYLAND, E. & WEIGERT, F.: Metabolism of carcinogenic compounds, 968
Breast cancer, factors affecting incidence of, 876
—— —— induction by oestrogens, 971
British Journal of Pharmacology and Chemotherapy (HBC), 991
British Medical Association: *Charter for health* (BR), 995
BRITTON, C. J. C., *see* WHITBY, L. E. H. and BRITTON, C. J. C., 949
BRODY, S.: *Bioenergetics and growth* (BR), 900
BROOK, C.: *Battling surgeon* (BR), 882
BROWN, R.: *Guide to medical practices* (BR), 857
BROWNE, F. J.: *Antenatal and postnatal care*, 6th ed. (BR), 1009
BUCHAN, W.: *Domestic medicine* (HBC), 886
BÜLBRING, E., *see* WHITTERIDGE, D. & BÜLBRING, E., 817
BURN, J. H.: The maintenance of blood-pressure in anaesthesia, 820
—— Testing of local anaesthetics, 816
Burns, chemotherapy, 933
BURROWS, H. & HORNING, E. S.: Oestrogens and neoplasia, 971
—— *Biological actions of sex hormones* (BR), 854

C

Cancer, chemotherapy, 979
—— experimental production of, *see* Carcinogenesis; Carcinogens
—— genetic factors, 876
—— industrial, role of arsenic in, 977
—— mammary, induction by oestrogens, 971
—— occupational, 962, 976
—— production by industrial compounds, 962, 976
—— —— inhibition of, 966
Carcinogenesis and cellular nutrition, 964
—— experimental, 962, 965
Carcinogenic action of heated fats and lipoids, 970
—— compounds, chemistry of, 962
—— hydrocarbons, physical methods of investigation of, 963
Carcinogens, administration, mode of, 967
—— and anti-carcinogenesis, 966
—— chemical, 876
—— —— mode of action of, 964
—— in human tissues, 969
—— influence of solvent on response to, 967
—— metabolism of, 968
Carcinoma, histological analysis of effects of radiation on, 802
CATCHESIDE, D. G.: Genetic effects of radiations, 800
CHABAS, J.: *Oxigenoterapia* (BR), 905
CHAMBERLAIN, E. N.: *ABC of medical treatment* (BR), 856
Chemotherapy, history of, 926
—— local, 932
—— microbial resistance to, 930
—— principles of administration in, 933
Chloroform anaesthesia, work of David Waldie in (HBC), 834
—— early trial of by Matthews Duncan (HBC),835
—— first use of in surgery (HBC), 833, 834
Chromosomes, effect of radiations on, 799, 800, 808
Chrysenes, carcinogenic action of, 962
—— metabolism of, 968
Ciencia e Investigación (BR), 907
Cineradiography, technique and applications of, 811
Cirugía del Aparato Locomotor (BR), 907
CLARK, W. E. LE G.: *The tissues of the body*, 2nd ed. (BR), 810/188
Classics of science and medicine (HBC), 990
Clínica Tisiológica (BR), 907
Coaltar, carcinogenic action of, 962, 976
Cocaine, testing of, 816
Cocarcinogenesis, 965
Codeine, 818
Common Cold Research Unit (HBC), 895
Congenital factors in infantile mortality, 869
—— defects following maternal rubella, 873
COOPER, L.: Anaesthesia in Argentina (HBC), 840
CRABTREE, H. G.: Anti-carcinogenesis, 966
CRAIG, W. S.: *Child and adolescent life in health and disease* (BR) 948
CREW, F. A. E.: Place of genetics in clinical medicine, 868
CRUICKSHANK, E. W. H.: *Food and nutrition* (BR), 1001
Curare in anaesthesia, 824
CURRIE, A. N.: Role of arsenic in carcinogenesis, 977
CURTIS, W., biographical note on (HBC), 881
Cyclopropane, controlled-respiration anaesthesia with, 825

D

DARLING, H. C. R.: *Surgical nursing and after-treatment*, 9th ed. (BR), 866
Deaf, education of (FR), 911
DELAUNEY, R. A.: *La pénicilline* (BR), 904
Delinquent child, care of in Spain (BR), 906
Development of the rabbit (FR), 912
Developmental defects as cause of still-birth and neonatal death, 870
Dibenzanthracene, metabolism of, 968
DICKENS, F.: Influence of the solvent on the carcinogenic response, 967
Diethylstilboestrol in prostatic cancer, 979

Diphenylethylamine, 818
DOBSON, J.: *Anatomical eponyms* (BR), 942
DODDS, E. C.: Note on the carcinogenic action of stilbene derivatives, 972
—— Search for morphine substitute, 818
DOGNON, — & BIANCANI, —: *Action des radiations sur la cellule normale* (BR), 897
Dominant genes, inheritance of, 868
Drosophila, effect of radiations on, 798, 799, 800
Drug action, modern theories of, 926
DUNCAN, MATTHEWS, early trial of chloroform by (HBC), 835
DUNCUM, B. M.: Intravenous injection and anaesthesia (HBC), 842
—— Outline of the history of anaesthesia, 1846–1900 (HBC), 827
—— Rectal anaesthesia (HBC), 843
—— Surgical anaesthesia through mesmerism (HBC), 844

E

EAGER, R.: *Treatment of mental disorders (ancient and modern)* (HBC), 884
Ears, your children's (FR), 956
Edinburgh and Leiden, a medical partnership (HBC), 880
Education of the Deaf (FR), 911
ELLIS, E. S.: *Ancient anodynes; primitive anaesthesia and allied conditions* (HBC), 846
ELLIS, F.: Total energy-absorption in radiotherapy, 804
Endotracheal anaesthesia (FR), 851
Energy-absorption in radiotherapy, 804
ENGLISH, C.: *Patients and appendicitis* (BR), 943
Ephedrine, mode of action, 820
Epithelioma, effects of radiation on, 802
Erythrocytes, parasitized (FR), 812
Ether, discovery of, popular reactions to (HBC), 837
—— first use in Britain (HBC), 832
—— open drop (FR), 849
β-Eucaine, testing of, 816
Eucatropine hydrochloride, 819
EVANS, D. S. & MENDELSSOHN, K.: Visual measurement of blood-pressure, 821
Eyes, chemotherapy, principles of administration in, 933
—— your children's (FR), 957

F

Farmacoterapia Actual (HBC), 991
Fats, heated, carcinogenic action of, 970
FEARON, W. R.: *Introduction to biochemistry*, 3rd ed. (BR), 944
FEY, B. & TRUCHOT, P.: *L'urographie intra-veineuse* (BR), 904
FILATOV, V. P.: *Optic transplantation of the cornea and tissue therapy* (BR), 941
FILDES, P.: The nutrition of bacteria, 929
Film reviews, 812, 813, 848–853, 909–913, 955–960
Films, medical direction of, 847
—— medical, cataloguing of, 954
FINDLAY, W., biographical note on (HBC), 881
FLEMING, A.: *Penicillin: its practical application* (BR), 1002
FLOREY, H. W.: Steps leading to the therapeutic application of microbial antagonisms, 927
Foetus, development of, effect of maternal diet on, 874
France, early history of anaesthesia in (HBC), 838
Fungus parasitic to nematode (FR), 812

G

GADDUM, J. H.: Principles of administration in chemotherapy, 933
Gamma rays, measurement of, 803
García del Real, E.: Early surgical anaesthesia in Spain (HBC), 839
GARROD, L. P.: Nature of meningitis following spinal anaesthesia and its prevention, 822
—— Principles and practice of local chemotherapy, 932
Gene, effects of irradiation of, 800, 808
Genetics in clinical medicine, 868
Germany, early history of anaesthesia in (HBC), 841
GLAISTER, J.: *Medical jurisprudence and toxicology*, 8th ed. (BR), 862
GLUCKSMANN, A.: Quantitative histological analysis of radiation-effects in human carcinomata 802
GOLDBLATT, M. W.: Occupational cancer of the bladder, 978
GRAY, L. H.: Comparative studies of the biological effects of *x*-rays, neutrons and other ionizing radiations, 799
Guide to the journals, 815, 867, 925, 961, 1011
GURD, F. B. & ACKMAN, D.: *Technique in trauma* (BR), 810/187
GUTHRIE, D.: [Buchan's] *Domestic medicine* (HBC), 886
—— David Waldie, forgotten pioneer of chloroform anaesthesia (HBC), 834
—— Leiden and Edinburgh; a medical partnership (HBC), 880

H

HADDOW, A.: Mode of action of chemical carcinogens, 964
—— Note on the chemotherapy of cancer, 979
—— & KON, G. A. R.: Chemistry of carcinogenic compounds, 962
Haemolytic disease, present knowledge, 872
Haemorrhage, intracranial, as cause of still-birth and neonatal death, 870
HAHN, A.: Beginnings of surgical anaesthesia in France; ether and chloroform (HBC), 838
HALE-WHITE, W.: *Materia medica*, 26th ed. (BR), 810/195
HAMILTON-PATERSON, J. L.: *Penicillin in general practice* (BR), 1003
—— *see* PINEY, A. & HAMILTON-PATERSON, J. L., 1010
Handling and care of the patient (FR), 853
HAUDUROY, P.: *Inventaire et description des baciles paratuberculeux* (BR), 983
HAULTAIN, W. F. T. & KENNEDY, C.: *Practical handbook of midwifery and gynaecology* (BR), 998
Health and social welfare, 1945–1946 (BR), 810/191
HEMMELER, G.: *L'anémie infectieuse* (BR), 938
HENRY, S. A.: Occupational cutaneous cancer attributable to certain chemicals in industry, 976
—— *Cancer of the scrotum in relation to occupation* (BR), 993
HEWER, C. L.: Curare, 824
—— Trichlorethylene as an anaesthetic agent, 823
HIEGER, I.: Carcinogenic substances in human tissues, 969
Historical and bibliographical notes, 827–846, 878–895, 934–935
HÖBER, R.: *Physical chemistry of cells and tissues* (BR), 947
HOLIDAY, E. R., *see* BERENBLUM, I., HOLIDAY, E. R. & JOPE, E. M., 963
HOWARD-JONES, N.: The apotheosis of Paracelsus (HBC), 883
—— The ether discovery in Austria and Germany (HBC), 841
—— Paul Bert's *La pression barométrique* (HBC), 878
HUGGETT, A. ST. G.: Some applications of prenatal nutrition to infant development, 874
HUNTER, C.: *Mechanical dentistry*, 8th ed. (BR), 810/190
HUNTER, JOHN, bibliography of (HBC), 885
Hydrocarbons, carcinogenic, 962
—— —— physical methods of investigation of, 963

I

Indice Médico Progresivo (HBC), 888
Infant, development of, effect of prenatal nutrition on, 874
—— mortality, vital statistics of, 869
Infective disease as cause of neonatal death, 870
ING, H. R.: Synthetic substitutes for atropine, 819; *see also* page 234
Inhalers, in anaesthesia (HBC), 827, 829, 830; *see also* page 224
INNES, G. S.: Million volt therapy, 807
Institut Pasteur, its contribution to recent advances in chemotherapy (HBC), 934
Intracranial haemorrhage, as cause of still-birth and neonatal death, 870
IRONSIDE, R. N. & BATCHELOR, I. R. C.: *Aviation neuro-psychiatry* (BR), 914
It began on the Clyde (FR), 960

J

JANNONE, G., FERRO-LUZZI, G. & MARA, L.: *Risultati di una spedizione tecnico-scientifica nella Dancalia Settontrionale Esterna* (BR), 980
JONES, N. H., *see* HOWARD-JONES, N.
JOPE, E. M., *see* BERENBLUM, I., HOLIDAY, E. R. & JOPE, E. M., 963
Journal of the Palestine Arab Medical Association (BR), 907
Journals, guide to, 815, 867, 925, 961, 1011

K

Karyokinesis (FR), 955
KEERS, R. Y. & RIGDEN, B. G.: *Pulmonary tuberculosis* (BR), 919
KENNEDY, C., *see* HAULTAIN, W. F. T. & KENNEDY, C., 998
KEY, T. E.: *History of surgical anaesthesia* (HBC), 845
KING, A. C.: Evolution of anaesthetic apparatus (HBC), 829
KING, E. J.: *Micro-analysis in medical biochemistry* (BR), 945
KING, H.: *see* ANDREWES, C. H. & KING, H., 931
KLYNE, W.: *Practical chemistry for medical students* (BR), 946
KON, G. A. R., *see* HADDOW, A. & KON, G. A. R., 962
KOPYLOV, J. A.: *Amputations and the amputated* (BR), 903

L

LAWRENCE, J. S.: *Sulphonamides in theory and practice* (BR), 915
LEA, D. E.: Action of radiations on viruses and bacteria, 801
LECŒUR, J.: *Hémoptysies non tuberculeuses et hémoptysies sans causes* (BR), 904
LE FANU, W. R.: *John Hunter; a list of his books* (HBC), 885
Leiden and Edinburgh, a medical partnership (HBC), 880
Leukaemia, action of urethane in, 979
—— induction of by oestrogens, 971
LEVADITI, C.: *Précis de virologie médicale* (BR), 896
LEWIS, H. K.: *Lewis's, 1844–1944: a brief account of a century's work* (BR), 988
LIGHT, R. U.: *Progress of medical geography* (BR), 940
Lipoids, carcinogenic action of, 970
Liver, tumours of, production by azo compounds, 974, 975
LOMHOLT, S.: *Venereal diseases in general practice* (BR), 981
London County Council: *Interim report of Medical Officer of Health and School Medical Officer*, 1944 (HBC), 894
LOURIÉ, E. M.: Sketch of the history of chemotherapy, 926

M

MACGREGOR, A. R.: Pathology of still-births and neonatal death, 870
McILWAIN, H.: Analysis of antibacterial action, 928
MACKINNON, J. E.: *Zimologia medica* (BR), 982
McLACHLAN, A. E. W.: *Handbook of diagnosis and treatment of venereal diseases*, 2nd ed. (BR), 197
MAGITOT, A.: *Physiologie oculaire clinique* (BR), 936
Malaria, chemotherapy, history of, 926
MARTIN, R., NITTI, F., SUREAUD, B. & BERROD, J.: *La pénicilline et ses applications cliniques* (BR), 939
Medical Annual, 1945 (BR), 810/193
MENDELSSOHN, K., *see* EVANS, D. & MENDELSSOHN, K., 821
Meningitis following spinal anaesthesia, 822
MENNELL, J. B.: *Physical treatment by movement, manipulation and massage*, 5th ed. (BR), 810/192
Mental defect; recent researches, 877
Mesmerism as anaesthetic (HBC), 844
Methyl dihydromorphinone, 818
Methylcholanthrene, carcinogenic effects, 876
MICHAELIS, L. S.: *Anatomical atlas of orthopaedic operations* (BR), 918
Microbiology, films on (FR), 812
Micromanipulations, new apparatus for (FR), 812
Microscope (FR), 959
Million volt *x*-ray therapy, 807
MOLLARET, P. & BERTRAND, I.: *Hypertonie de décérébration chez l'homme* (BR), 904
MONCRIEFF, A., *see* ROLLESTON, H. & MONCRIEFF, A., 992
Morphine substitutes, 818
MORTON, H. J. V.: Controlled-respiration anaesthesia, 825
MORTON, L. T.: Bibliography of John Hunter (HBC), 885
—— Thomas Wakely, biographical note on (HBC), 882
Mould, antibiotics produced from, 927
MUIR, E., *see* ROGERS, L. & MUIR, E., 1000

N

Naphthalene, metabolism of, 968
Naphthylamine, carcinogenic action of, 978
NEARY, G. J.: Measurement of radiation, 803
NEGOVSKY, V. A.: *Experiment in treating conditions of agony and clinical death at the front line* (BR), 903
—— *Restoration of life functions of the body which is in a state of agony or clinical death* (BR), 903
Nematode, fungus parasitic to (BR), 812
Neonatal death, pathology of, 870
—— —— vital statistics of, 869
Neosynephrine, 820
Neutrons, biological effects, 799
—— effect on malignant disease, 799
—— irradiation with, protective methods in, 808
—— measurement of, 803
Newborn infant, post-mortem examination of, 871
NEWMAN, C.: *Medical emergencies*, 3rd ed. (BR), 950
Nitrogen analogues, carcinogenic action of, 962
Nitrogenous carcinogens, metabolism of, 968
Nitrous oxide, oxygen and ether anaesthesia (continuous flow) (FR), 850
NITTI, F.: *see* TRÉFOUËL, J., TRÉFOUËL MME. J., BOVET, D. & NITTI, F., 934
Nupercaine, testing of, 816
Nutrition, maternal, influence on still-birth and neonatal death
—— prenatal, and infant development, 874
Nutritional factors as anti-carcinogenic agents, 966

O

OBROSOV, A. N.: *Technique of physiotherapy* (BR), 941
ODGERS, P. N. B.: *Class book of practical embryology* (BR), 916
Oestrogens and neoplasia, 971
—— in chemotherapy of cancer, 979
OOFLIAND, U. M.: *Modern methods of electro-diagnosis in gun-shot wounds of the nervous system* (BR), 941
Open drop ether (FR), 849
Operative shock (FR), 852
Ophthalmia neonatorum as cause of blindness, 875
ORGANE, G. S. W.: The hundredth year of anaesthesia (HBC), 828
—— The medical direction of a series of films on anaesthesia, 847
ORR, J. W.: Production of liver tumours by azo compounds, 975
OSBORNE, J.: *Acrylic resins in dentistry*, 2nd ed. (BR), 855
Ovary, tumours, production by oestrogen, 971

P

PALMER, K. N. V., *see* BEAUMONT, G. E. & PALMER, K. N. V., 1004
PARSONS, L. G.: Maternal rubella as a cause of congenital defects, 873
Pasteur Institute, its contribution to recent advances in chemotherapy (HBC), 934
PATERSON, R., TOD, M. & RUSSELL, M.: *Results of radium and x-ray therapy in malignant disease* (BR) 994
Patient, handling and care of (FR), 853
—— post-operative care of, 826
PEACOCK, P. R.: Carcinogenic action of heated fats and lipoids, 970
PÉE, P. VAN: *Précis de radio-diagnostic* (BR), 985
Penicillin, French work on (HBC), 934
—— resistance to, 930
PENROSE, L. S.: Mental defects; recent researches, 877
Personnel selection in the British Army in 1944: Officers (FR), 910
Personnel selection in the British Army in 1944: Recruits (FR), 909
PETIT-DUTAILLIS, D. & DE SÈZE, S.: *Sciatiques et lombalgies par hernie posterieure des disques intervertébraux* (BR), 899
Phagocytosis (FR), 955
Phedracin, 820
Pholedrine, 820
PIGEAUD, H. & DUMONT, H.: *Les nephropathies gravidiques* (BR), 986
Pin mould, life cycle of (FR) 913
PINEY, A. & HAMILTON-PATERSON, J. L.: *Sternal puncture*, 3rd ed. (BR), 1010
PIROGOV, N.: *Foundations of general war surgery* (BR), 902
Placenta, permeability of, 874
POTT, PERCIVALL, work of on carcinogenesis, 962
Pregnancy, diet in, effect on foetal growth, 874
Prematurity, as cause of foetal and neonatal death, 870
PRESCOTT, F., *see* BICKNELL, F. & PRESCOTT, F., 952
Pressor substances, effects of, 820
PRICE, F. W.: *Textbook of the practice of medicine*, 7th ed. (BR), 860
Procaine, testing of, 816
Prostate, hypertrophy, production of by oestrogen, 971
Prótesis (BR), 907
Publicaciones del Instituto Antituberculoso "Francisco Moragas" (BR), 907
Pulmonary stretch receptors, effect of anaesthetics on, 817
Punch and the discovery of anaesthesia (HBC), 831
PURVES-STEWART, J.: *Diagnosis of nervous diseases*, 9th ed. (BR), 810/196

R

Rabbit, development of (FR), 912
RACE, R. R.: Summary of present knowledge of human blood-groups, with special reference to serological incompatibility as a cause of congenital disease, 872
Radiation, effect on bacteria, 801
—— effect on viruses, 801
—— effects on carcinoma, histological analysis, 802
—— genetic effects, 798, 800, 808
—— injurious effects, 798
—— measurement of, 803
—— penetrating, biological effects of, 798, 799
—— tolerance-doses, 808
—— volume-dose measurement, 804
Radioactive elements, carcinogenic action of, 962
Radiochemistry, 798
Radiography, cinematic, 811
Radiology, protective methods in, 808
Radiotherapy Centres, exchange of diagrams and data between, 809
Radiotherapy Centres, protective methods in, 808
—— technical methods in, 805
—— total energy-absorption in, 804
—— volume-dose measurement in, 804
Radium, interstitial application of, 806
—— therapy, technical methods in, 806
READ, J.: Exchange of diagrams and data between radiotherapy centres, 809
—— Technical methods in *x*-ray therapy, 805
Recessive genes, inheritance of, 868
Respiration, controlled, in anaesthesia, 825
—— effect of pulmonary receptors in anaesthesia on, 817
Revista Ibérica de Parasitologia (BR), 907
Revue de Laryngologie, Otologie, Rhinologie (HBC), 991
Revue médicale de Liège (HBC), 991
REYNOLDS, R. J.: Cineradiography: its technique and applications, 811
Rickettsial diseases, chemotherapy of, 931
RIGDEN, B. G.: *see* KEERS, R. Y. & RIGDEN, B. G., 919
Röntgen unit, definition of, 803
ROGERS, L. & MUIR, E.: *Leprosy*, 3rd ed. (BR), 1000
ROIG Y MESA, J. T.: *Plantas medicinales aromáticas o venenosas de Cuba* (BR), 905
ROLLESTON, H. & MONCRIEFF, A.: *Modern anaesthetic practice*, 2nd ed. (BR), 992
ROS, A.: *La penicilina y sus aplicaciones en oftalmologia* (BR), 905
ROSS, J. C.: *Essentials of surgery for dental students* (BR), 810/189
ROWBOTHAM, G. F.: *Acute injuries of the head*, 2nd ed. (BR), 810/186
Royal College of Surgeons of England; *General annual report*, 1945 (HBC), 892
—— —— —— *Scientific report*, 1944–45 (HBC), 893
Rubella, maternal, as cause of congenital defects, 873
RÜTTNER, J. R.: *Beiträge zur Klinik und pathologischen Anatomie der Kienböckschen Krankheit (Lunatummalacie)* (BR), 937
RUSS, S.: Technical methods in radium therapy, 806

S

SALKINDSON, E.: *Physiotherapy in war injuries* (BR), 903
SAMSON, E.: *see* HUNTER, C., 810/190
SCHNEIDER, C. L.: *Transplantation of skin by the sieve method* (BR), 903
Scientific instruments, exhibition of, 814
SELBIE, F. R.: Microbial resistance to chemotherapeutic drugs, 930
SHEINISS, V. N.: *Treatment of injuries of fingers and the wrist during the war* (BR), 941
Shock, operative (FR), 852
SIDI, E.: *Accidents cutanés des teintures capillaires* (BR), 904
Signs and stages of anaesthesia (FR) 848
Skin, cancer, occupational, 976
SMILLIE, I. S.: *Injuries of the knee joint* (BR), 917
SMITHERS, D. W.: *X-ray treatment of accessible cancer* (BR), 953
SNOW, JOHN, biographical note (HBC), 836
Social factors influencing still-births and neonatal deaths, 869
SORSBY, A.: Blindness and visual defect of congenital origin, 875
Spain, early history of anaesthesia in (HBC), 839
SPEAR, F. G.: Biological effects of penetrating radiations, 798
Speech, tongue movements in (FR), 812
Spirochaetal infections, chemotherapy of (HBC), 934
STANFORD, B.: Making a catalogue of medical films, 954
Stilbene derivatives, carcinogenic action of, 972
Still-births, pathology of, 870
—— vital statistics of, 869
Sulphonamides, analysis of antibacterial action of, 928
—— introduction of, to clinical medicine, 926, (HBC), 934
—— resistance to, 930
Sulphur analogues, carcinogenic action of, 962
Syphilis, chemotherapy, history of, 926

T

TAVERNIER, L. & GODINOT, C.: *Traitement chirurgical de l'arthrite sèche de la hanche* (BR), 904
Teeth, your children's (FR), 958
TELEPNEF, B. DE: *Paracelsus, a genius amidst a troubled world* (HBC), 883
Testis, tumours, production by oestrogen, 971
THOMAS, E. W. C.: *Synopsis of forensic medicine and toxicology*, 2nd ed. (BR), 863
Thorax (HBC), 991
Thrombophlebitis, post-operative, 826
Tissue extracts as carcinogens, 969
TOMASZEWSKI, O. W.: *Short Anglo-Polish medical dictionary* (BR), 920
Tongue movements in speech (FR), 813
Trabajos del Instituto Cajal de Investigaciones Biológicas (HBC), 890
TRÉFOUËL, J., TRÉFOUËL, MME. J., BOVET, D. & NITTI, F.: Contribution of the Institut Pasteur, Paris, to recent advances in microbial and functional chemotherapy (HBC), 934
Trichlorethylene, 823
—— effect on respiration, 817
Tropical science in Switzerland (HBC), 891
TROWELL, H. C.: *Diagnosis and treatment of diseases in the tropics*, 2nd ed. (BR), 864
TRUETA, J.: *Principles and practice of war surgery* (BR), 1007
Trypanosoma, drug resistance to, 930
Trypanosomiasis and tsetse flies, survey of recent work on (BR), 901
—— chemotherapy of (HBC), 934
—— —— history of, 926
TUBBS, F.: The first specialist-anaesthetist [John Snow] (HBC), 836
—— Tercentenary of the birth of James Yonge (HBC), 879
Tuberculosis Index and Abstracts of Current Literature (HBC), 991
d-Tubocurarine hydrochloride, 824
Tumours and oestrogens, 971
—— effects of radiation on, 798, 802
TURNER, G. G.: *The Hunterian Museum: Yesterday and to-morrow* (BR), 999

U

UNDERWOOD, E. A.: *Manual of tuberculosis*, 3rd ed. (BR), 861
Urethane, action in leukaemia, 979
—— carcinogenic action of, 962
Uterus, tumours, production by oestrogens, 971

V

Vaccinia virus, inactivation by radiation, 801
VAN BURKALOW, A.: *Fluorine in United States water supplies* (BR), 940
VILLIGER, E.: *Die periphere Innervation* (BR), 987
Virus diseases, chemotherapy of, 931
Viruses, effect of radiations on, 801
Vision, defects of, of congenital origin, 875

W

WALDIE, DAVID, a forgotten pioneer of chloroform anaesthesia (HBC), 834
WALLER, B. E.: *Aids to orthopaedics for nurses* (BR), 858
WALSHE, F. M. R.: Diseases of the nervous system, 4th ed. (BR), 865
WEBER, F. P.: *Rare diseases and some debatable subjects* (BR), 951
WEIGERT, F., *see* BOYLAND, E. & WEIGERT, F., 968
Wellcome Historical Medical Library (HBC), 887
WHITBY, L. E. H. & BRITTON, C. J. C.: *Disorders of the blood*, 5th ed. (BR), 949
WHITTERIDGE, D. & BULBRING, E.: Changes in activity of pulmonary receptors in anaesthesia and their influence on respiratory behaviour, 817
WHITWELL, J. R.: *Analecta psychiatrica* (BR), 1005
WILLIAMS, L. H.: *see* BOURNE, A. W. & WILLIAMS, L. H., 924
WOOLF, B.: Vital statistics of still-births and neonatal deaths, 869
Wounds, chemotherapy, 933
—— prophylaxis, 932
—— sepsis, treatment of, 932
WRIGHT, J. K.: *Proposed atlas of diseases, with a note on the terminology of certain map symbols* (BR), 940

X

X-ray irradiation, biological effects of, 798, 799
—— therapy, million-volt, 807
—— —— technical methods in, 806
—— —— *see also* Radiotherapy
X-rays, biological effects, 799
—— measurement of, 803
—— *see also* Radiation

Y

YAMAGIWA, KATSUSABURO, work of on carcinogenesis, 962
YONGE, J., tercentenary of birth of (HBC), 879
YOUNG, F. G.: Claude Bernard and scientific adventure (HBC), 935
YUDIN, S.: *Surgical treatment of gastric and duodenal ulcer* (BR), 941

Z

ZIMMER, E. A.: *Die Durchleuchtungstechnik der Thoraxorgane* (BR), 984

PRINTED IN ENGLAND BY SPOTTISWOODE, BALLANTYNE AND CO. LTD., LONDON AND COLCHESTER